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SUMMARY

- Iowa is in the red zone for cases, indicating 101 or more new cases per 100,000 population last week, with the 10th highest rate in the country. Iowa is in the red zone for test positivity, indicating a rate at or above 10.1%, with the 11th highest rate in the country.
- Iowa has seen stability in new cases and an increase in test positivity over the last week.
- The following three counties had the highest number of new cases over the last 3 weeks: 1. Polk County, 2. Dubuque County, and 3. Woodbury County. These counties represent 21.9% of new cases in Iowa.
- 97% of all counties in Iowa have moderate or high levels of community transmission (yellow, orange, or red zones), with 57% having high levels of community transmission (red zone).
- During the week of Oct 12 - Oct 18, 15% of nursing homes had at least one new resident COVID-19 case, 32% had at least one new staff COVID-19 case, and 4% had at least one new resident COVID-19 death.
- Iowa had 254 new cases per 100,000 population in the last week, compared to a national average of 133 per 100,000.
- Between Oct 17 - Oct 23, on average, 84 patients with confirmed COVID-19 and 26 patients with suspected COVID-19 were reported as newly admitted each day to hospitals in Iowa. An average of greater than 95% of hospitals reported either new confirmed or new suspected COVID patients each day during this period.

RECOMMENDATIONS

- This week, we have included PPE availability reported from your hospitals. We will continue to work together on improving the quality of reporting on hospital admissions and supplies.
- All indicators of community spread are increasing, including percent of nursing homes with positive staff members and residents, and community spread is increasing hospital admissions, leading to potential resource constraints.
- Mitigation efforts must be increased to control community spread to include mask wearing, physical distancing, hand hygiene, and avoiding crowds in public and specifically, social gatherings in private.
- We are finding that as the weather cools, friends and families are moving social gatherings indoors, significantly increasing spread.
- Work with communities to limit large and small social gatherings; current transmissions are linked to home gatherings. People must remember that seemingly uninfected family members and friends may be infected but asymptomatic. When meeting people who are not a part of one's household, masking and physical distancing must be observed at all times, especially when indoors.
- Review transmissions in Polk, Dubuque, and Linn counties. Trace the source of spread with specific messages to those communities to change behaviors.
- With over 30% of nursing homes reporting at least one COVID positive staff member, work with nursing homes to trace exposures of positive staff to decrease introduction of community transmission to nursing homes.
- Provide specific mitigation messaging appealing to the following groups to engage them to do their part to slow the spread:
    - Rural communities.
    - Individuals over 65 years-old through senior citizen networks.
    - University students.
- The Abbott BinaxNOW tests perform best when used serially in populations and in schools. Corrections and healthcare workers must use these tests for weekly surveillance testing to monitor and act on county trends identified though sentinel surveillance.
- Ensure all hospitals have access to antivirals and antibodies, and ensure early use as treatment (within 48 hours).
- Tribal Nations: Address COVID fatigue; work on practices that are culturally supportive for the fall; ensure testing and hospital supplies are available.
- Specific, detailed guidance on community mitigation measures can be found on the CDC website.

COVID-19

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	STATE, LAST WEEK	STATE, % CHANGE FROM PREVIOUS WEEK	FEMA/HHS REGION, LAST WEEK	UNITED STATES, LAST WEEK
NEW COVID-19 CASES (RATE PER 100,000)	8,003 (254)	+7%	31,703 (224)	436,442 (133)
VIRAL (RT-PCR) LAB TEST POSITIVITY RATE	10.5%	+0.8%*	11.1%	5.8%
TOTAL VIRAL (RT-PCR) LAB TESTS (TESTS PER 100,000)	78,799** (2,498**)	+0%**	248,267** (1,756**)	6,706,546** (2,043**)
COVID-19 DEATHS (RATE PER 100,000)	96 (3.0)	+9%	481 (3.4)	5,484 (1.7)
SNFs WITH ≥1 NEW RESIDENT COVID-19 CASE	15%	+4%*	18%	12%
SNFs WITH ≥1 NEW STAFF COVID-19 CASE	32%	+5%*	35%	24%
SNFs WITH ≥1 NEW RESIDENT COVID-19 DEATH	4%	+0%*	5%	4%

* Indicates absolute change in percentage points.
** Due to delayed reporting, this figure may underestimate total diagnostic tests and week-on-week changes in diagnostic tests.
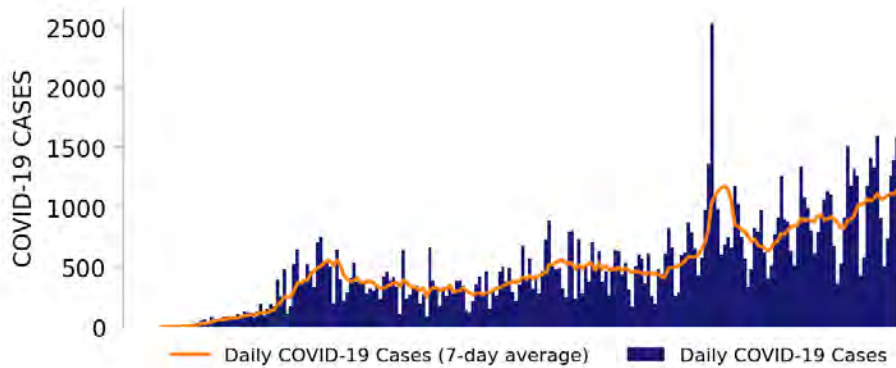**DATA SOURCES** – Additional data details available under METHODS
Note: Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.
Cases and Deaths: State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 10/23/2020; last week is 10/17 - 10/23, previous week is 10/10 - 10/16.
Testing: CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/21/2020. Last week is 10/15 - 10/21, previous week is 10/8 - 10/14.
SNFs: Skilled nursing facilities. National Healthcare Safety Network. Data are reported separately for cases among residents and staff. Last week is 10/12-10/18, previous week is 10/5-10/11. Facilities that are undergoing reporting quality review are not included in the table, but may be included in other NHSN analyses.
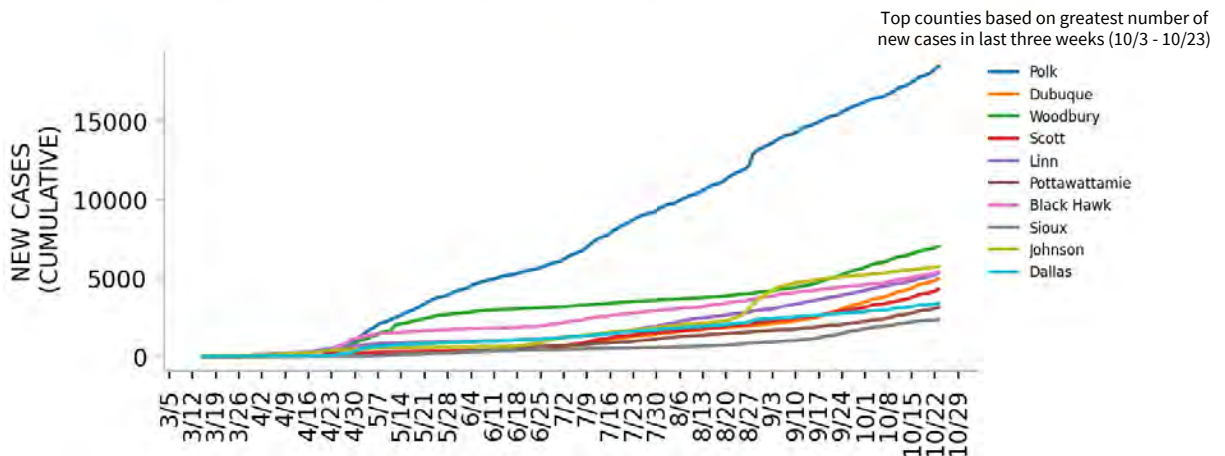
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NEW CASES ▶

- Daily COVID-19 Cases (7-day average)
- Daily COVID-19 Cases

TESTING ▶

- Daily Tests Completed (7-day average)
- % Positivity Rate (by result date 7-day average)

TOP COUNTIES ▶

Top counties based on greatest number of new cases in last three weeks (10/3 - 10/23)

- Polk
- Dubuque
- Woodbury
- Scott
- Linn
- Pottawattamie
- Black Hawk
- Sioux
- Johnson
- Dallas

DATA SOURCES – Additional data details available under METHODS
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Cases: State values are calculated by aggregating county-level data from USAFacts; therefore, the values may not match those reported directly by the state. Data is through 10/23/2020.
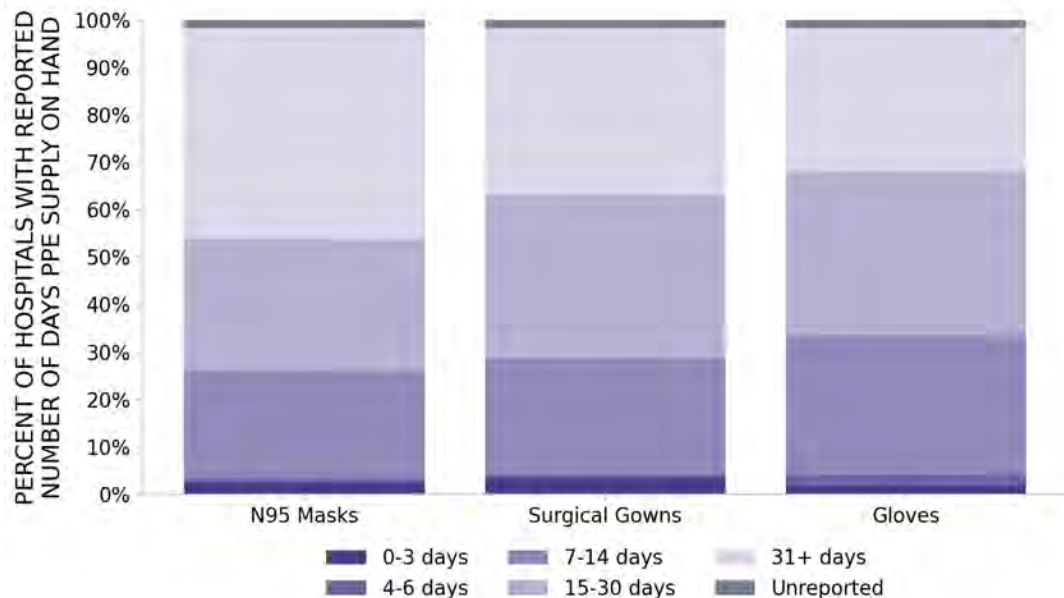**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/21/2020.

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119 hospitals are expected to report in Iowa

HOSPITAL ADMISSIONS ▶

HOSPITAL PPE SUPPLIES ▶

DATA SOURCES – Additional data details available under METHODS
Hospitalizations: Unified hospitalization dataset in HHS Protect. These data exclude psychiatric, rehabilitation, and religious non-medical hospitals. In addition, hospitals explicitly identified by states/regions as those from which we should not expect reports were excluded from the percent reporting figure.
PPE: Unified hospitalization dataset in HHS Protect. These data exclude psychiatric, rehabilitation, and religious non-medical hospitals. In addition, hospitals explicitly identified by states/regions as those from which we should not expect reports were excluded from the percent reporting figure. Values presented show the latest reports from hospitals in the week ending 10/21/2020.

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COVID-19 COUNTY AND METRO ALERTS*
Top 12 shown in table (full lists below)

METRO AREA (CBSA) LAST WEEK

COUNTY LAST WEEK

LOCALITIES IN RED ZONE	**14** ▲ (+4)	Dubuque Omaha-Council Bluffs Sioux City Waterloo-Cedar Falls Burlington Carroll Muscatine Oskaloosa Storm Lake Pella Spirit Lake Marshalltown	**56** ▲ (+7)	Dubuque Woodbury Pottawattamie Black Hawk Sioux Des Moines Plymouth Carroll Harrison Delaware Muscatine Crawford
LOCALITIES IN ORANGE ZONE	**7** ▲ (+1)	Des Moines-West Des Moines Cedar Rapids Davenport-Moline-Rock Island Ames Fort Dodge Clinton Fort Madison-Keokuk	**21** ▲ (+2)	Polk Scott Dallas Webster Clinton Lee Benton Jasper Page Mills Emmet Hamilton
LOCALITIES IN YELLOW ZONE	**2** ▼ (-4)	Mason City Ottumwa	**19** ▼ (-2)	Linn Story Cerro Gordo Warren Wapello Washington Clayton Poweshiek Madison Hancock Shelby Union

Change from previous week's alerts: ▲ Increase   ■ Stable   ▼ Decrease

All Red CBSAs: Dubuque, Omaha-Council Bluffs, Sioux City, Waterloo-Cedar Falls, Burlington, Carroll, Muscatine, Oskaloosa, Storm Lake, Pella, Spirit Lake, Spencer, Marshalltown, Fairfield

All Red Counties: Dubuque, Woodbury, Pottawattamie, Black Hawk, Sioux, Des Moines, Plymouth, Carroll, Harrison, Delaware, Muscatine, Crawford, Mahaska, Buena Vista, Henry, Jackson, O'Brien, Cass, Marion, Iowa, Cedar, Boone, Tama, Dickinson, Marshall, Clay, Kossuth, Hardin, Bremer, Lyon, Winnebago, Jones, Buchanan, Humboldt, Cherokee, Wright, Monroe, Allamakee, Osceola, Adair, Palo Alto, Jefferson, Taylor, Decatur, Appanoose, Louisa, Clarke, Fremont, Grundy, Chickasaw, Montgomery, Pocahontas, Van Buren, Audubon, Lucas, Adams

All Orange Counties: Polk, Scott, Dallas, Webster, Clinton, Lee, Benton, Jasper, Page, Mills, Emmet, Hamilton, Fayette, Winneshiek, Guthrie, Sac, Calhoun, Butler, Howard, Monona, Franklin

All Yellow Counties: Linn, Story, Cerro Gordo, Warren, Wapello, Washington, Clayton, Poweshiek, Madison, Hancock, Shelby, Union, Greene, Floyd, Ida, Mitchell, Davis, Keokuk, Worth

* Localities with fewer than 10 cases last week have been excluded from these alerts.

Note: Lists of red, orange, and yellow localities are sorted by the number of new cases in the last 3 weeks, from highest to lowest. Some dates may have incomplete data due to delays in reporting. Data may be backfilled over time, resulting in week-to-week changes.
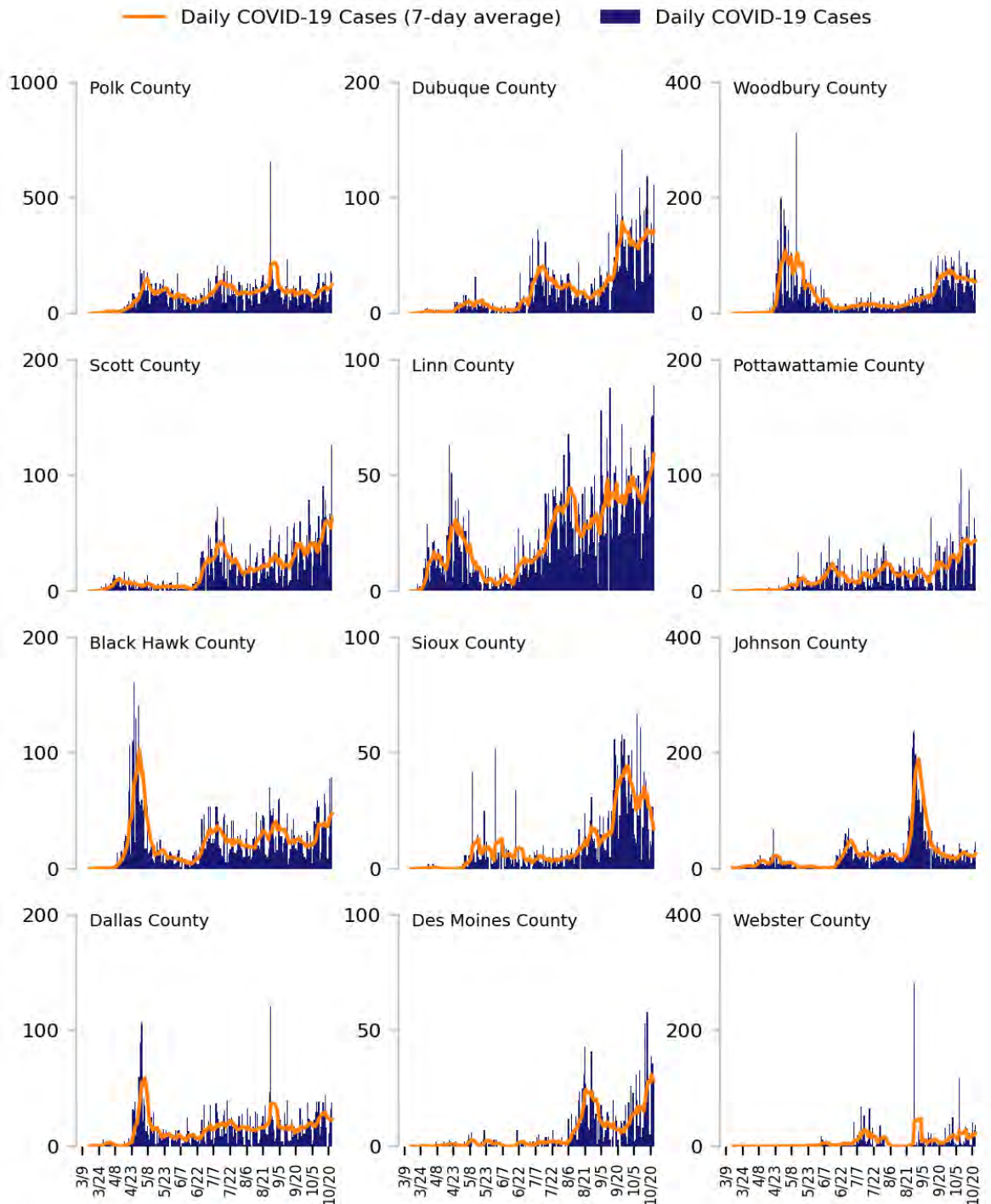**DATA SOURCES** – Additional data details available under METHODS
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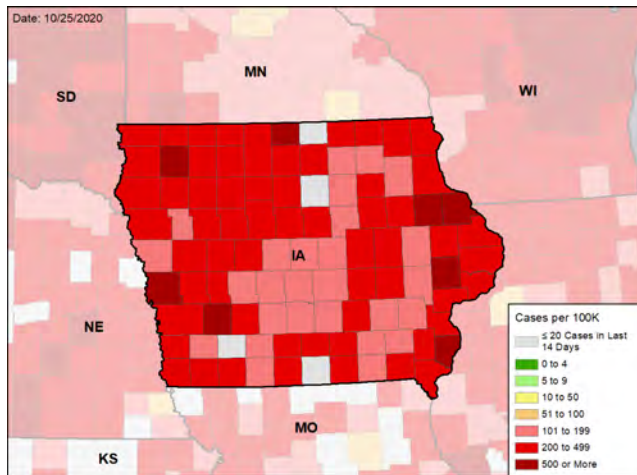**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/21/2020. Last week is 10/15 - 10/21.

Top 12 counties based on number of new cases in the last 3 weeks

— Daily COVID-19 Cases (7-day average)   ▮ Daily COVID-19 Cases

TOTAL DAILY CASES

Polk County

Dubuque County

Woodbury County

Scott County

Linn County

Pottawattamie County

Black Hawk County

Sioux County

Johnson County

Dallas County

Des Moines County

Webster County

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CASE RATES AND VIRAL LAB TEST POSITIVITY DURING THE LAST WEEK

NEW CASES PER 100,000 DURING THE LAST WEEK

Date: 10/25/2020

Cases per 100K
- ≤ 20 Cases in Last 14 Days
- 0 to 4
- 5 to 9
- 10 to 50
- 51 to 100
- 101 to 199
- 200 to 499
- 500 or More

VIRAL (RT-PCR) LABORATORY TEST POSITIVITY DURING THE LAST WEEK

Date: 10/25/2020

Test Positivity
- ≤ 20 Cases in Last 14 Days
- 0.0% to 2.9%
- 3.0% to 4.9%
- 5.0% to 7.9%
- 8.0% to 10.0%
- 10.1% to 19.9%
- 20% or More

WEEKLY CHANGE IN NEW CASES PER 100,000

Date: 10/25/2020

Percent Change in Cases per 100K
- ≤ 20 Cases in Last 14 Days
- -26% or Less
- -25% to -11%
- -10% to 0%
- 1% to 10%
- 11% to 99%
- 100% to 999%
- 1,000% or More
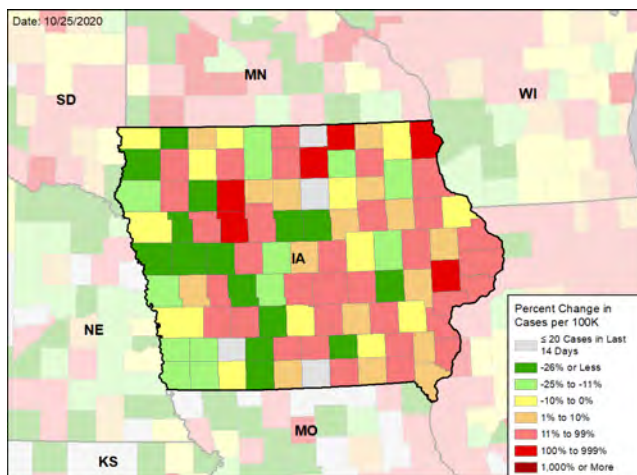
WEEKLY CHANGE IN VIRAL (RT-PCR) LABORATORY TEST POSITIVITY

Date: 10/25/2020

Absolute Change in Test Positivity
- ≤ 20 Cases in Last 14 Days
- -2.1% or Less
- -2.0% to -0.6%
- -0.5% to 0.0%
- 0.1% to 0.5%
- 0.6% to 2.0%
- 2.1% or More

DATA SOURCES – Additional data details available under METHODS
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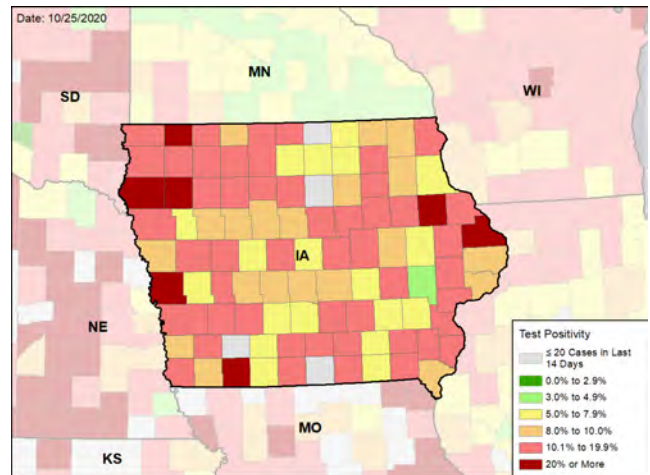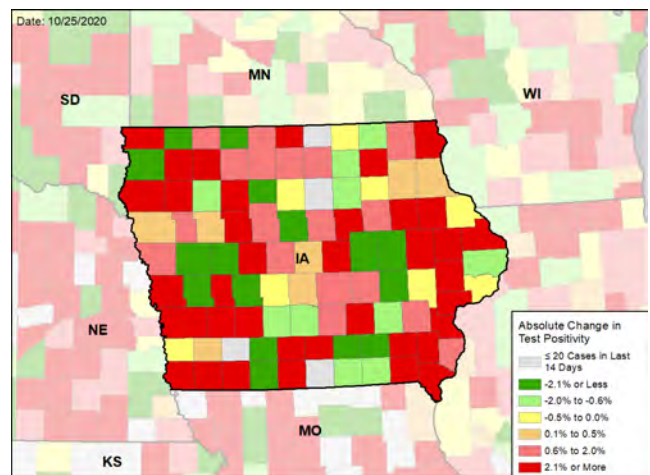**Testing:** CELR (COVID-19 Electronic Lab Reporting) state health department-reported data through 10/21/2020. Last week is 10/15 - 10/21, previous week is 10/8 - 10/14.